

Classic Organ Works

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GM9773: GM-MIDI Module



Description

Classic Organ Works is pleased to offer the GM9773: General MIDI Sound module. The GM9773 is a compact plug-in replacement for standard GM-MIDI sound modules. As a General MIDI compatible sound module, it provides sound generation capability when plugged into a sound card 'WaveBlaster' header. At Classic Organ Works, the GM9773 is an optional feature of our MIDI Control Unit (MCU) and our Console Control Computer (CCC-5).

The Atmel SAM9773 single-chip synthesizer is the heart of the GM9773. This powerful chip contains a synthesizer, reverb, chorus, MIDI control processor, GM-MIDI wave tables, spatial sound effects and stereo equalizers. With 38-voice polyphony, the sound set contains the standard GM-MIDI set, a second bank of variations and five drumsets. All of these are accessible by control codes in the MIDI signal.

Pleasant sound quality is achieved by use of on-board electronics. Included is a digital-to-analog converter which converts digital data into stereo audio output. Various filters remove noise from power supplies and high frequency components.

Features

- Stereo audio outputs.
- 38-note polyphony.
- Contains the standard GM-MIDI sound set, a second set of variations, and five drumsets.
- Compact Plug-in replacement for EMU and standard GM MIDI sound modules.
- Supports MIDI parameters such as Note On, Velocity, Pitch Bend, Program Change, Channel Aftertouch, MIDI Reset, Patch, Voice Variation, Drumset Variation, Volume, Pan, Expression, Sustain, Sostenuto, Soft Pedal, Tuning, Portamento, Reverberation, Chorus and Vibrato.
- Digital-to-Analog convertor changes digital data into stereo audio.
- Filters eliminate noise from high frequency components and power supplies.
- Built-in auto-test program for board production testing.
- Low power consumption.
- Approximate size: 2" x 2" x 0.55" (w x h x d).

Applications

The GM9773 General MIDI sound module is perfect for situations requiring a multitude of functions and a compact size. As a 2" square circuit board, the GM9773 is used to add MIDI sounds to both the Classic MIDI Control Unit (MCU) and the Console Control Computer (CCC).

The use of the GM9773 can be extended to computer MIDI users as well. WaveBlaster headers are present on most computer sound cards to improve the quality of MIDI sounds generated. The GM9773 has a combination of compact size, abundant functionality and a WaveBlaster connector to allow users to inexpensively and conveniently upgrade MIDI sounds on their computer.